

ICHEP2024, Prague

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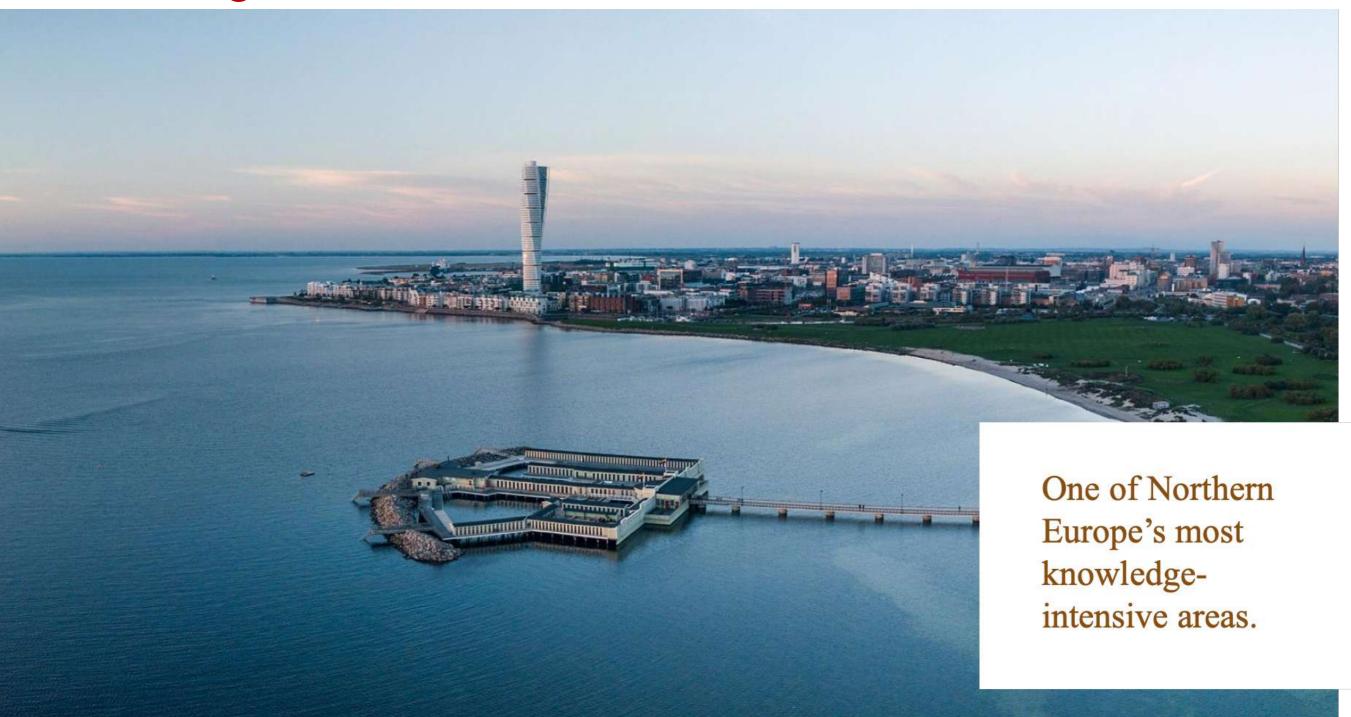
# We propose:

- ★ to host ICHEP in the second half of July 2028 in Skåne, Sweden
- to put forward Lund University as the main organiser of this prestigious event, in close cooperation with Stockholm and Uppsala universities and with Lund/Malmö city councils

# Why:

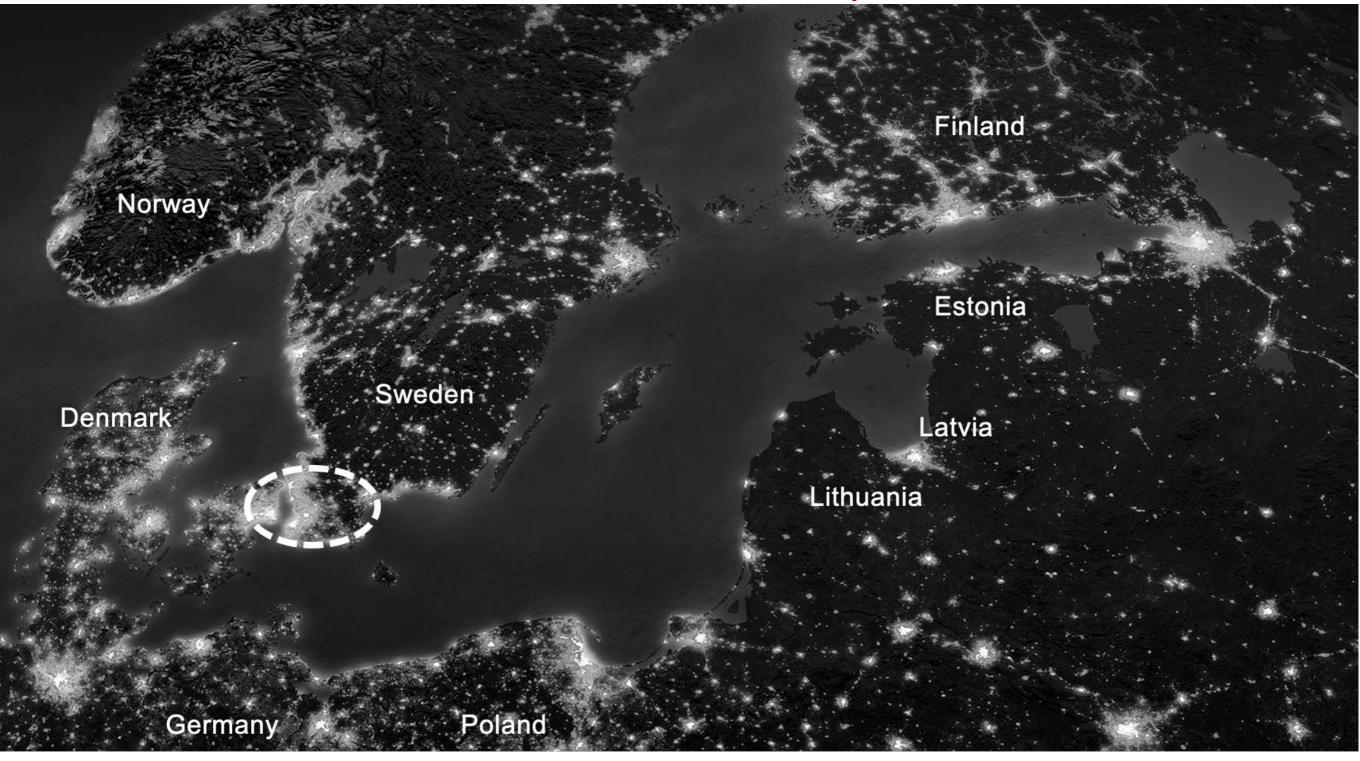
- ✦ ICHEP has never been organised in Sweden before
- The idea of bringing ICHEP to Sweden has been met with a very strong support from the Swedish research community
- Dynamic cities of Lund and Malmö provide an ideal setting for ICHEP
- We believe ICHEP would strongly benefit from our robust academic and social environment, state-of-the-art research facilities, strong support from the regional government, and exceptional conference infrastructure

# The Region of Skåne

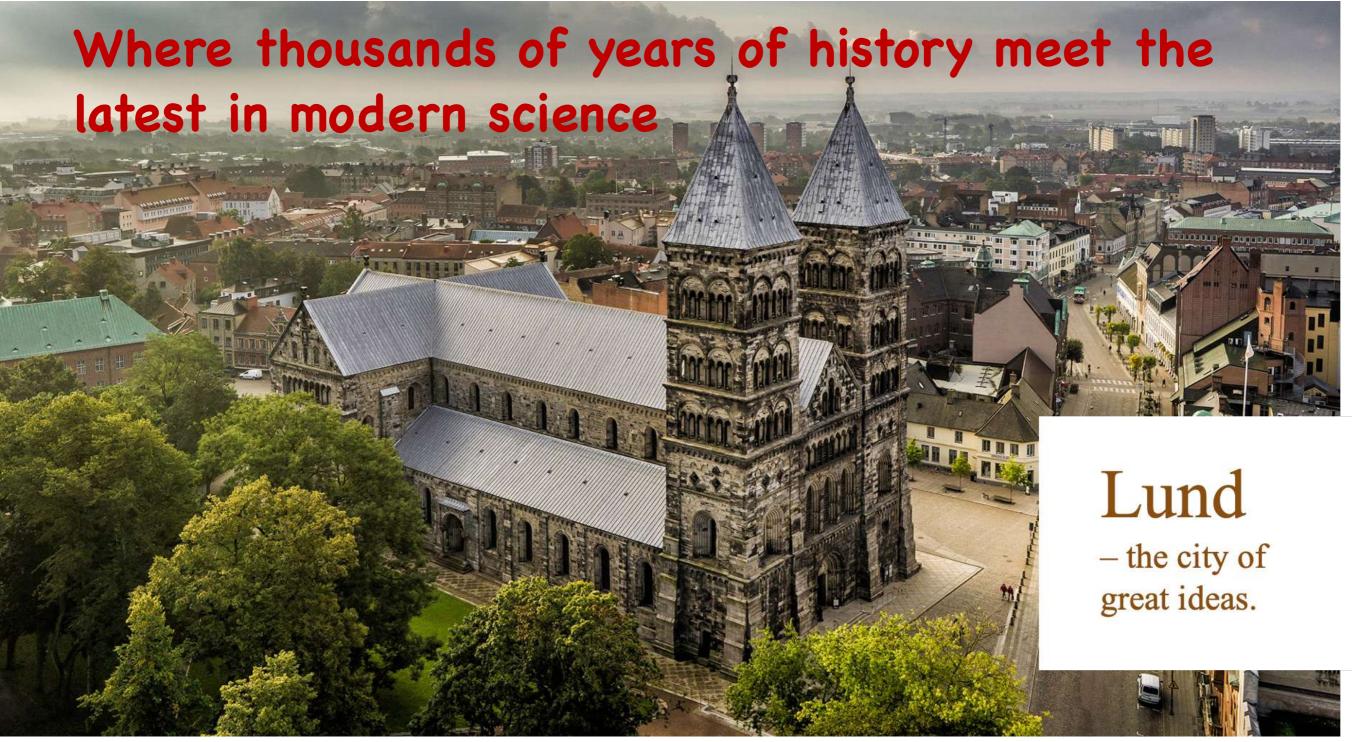


home to world-class research centers such as the European Spallation Source (ESS) and the MAX IV Laboratory, which are at the forefront of scientific innovation and collaboration

# Location at the heart of Europe



 The region of Skåne boasts excellent transportation links, including proximity to the Copenhagen airport, ensuring easy access for international delegates



- + Population of nearly 130.000 inhabitants.
- ✦ Students and researchers from 130 countries.
- ★ A truly international and vibrant atmosphere.
- ✦ Academia, business, culture and nature thrive within cycling distance.
- A picturesque city centre including the cathedral and the winding cobble-stoned streets

# Lund University (LU) major Scandinavian hub for academic and research excellence

Nine Faculties and several world-leading research fields.

Has educated Nobel laureates, prime ministers, a president and several notable leaders

Lund attracts more international students than any other Swedish university.

Nobel Prize in Physics 2023 to Anne L'Huillier, Professor of Atomic Physics

47 000 students, 8 800 employees, of whom 5 050 academic staff (750 professors) QS Sustainability Ranking: ranked 8th in the world out of 1,397 rated HEIs (2023), 3rd in Europe and 1st in Sweden

Revenue: SEK 10.4 billion (1/3 education, 2/3 research)







4 300 Other academic staff

and the second



# World-class research facilities: MAX IV Laboratory



- ♦ Operational since 2016
- The world's first fourth-generation synchrotron light source, which produces light up to one hundred times brighter than previous generations
- ♦ 16 different research stations and 1,000 users annually from industry and academia
- ✦ Facilitates world-class research within materials science and life sciences



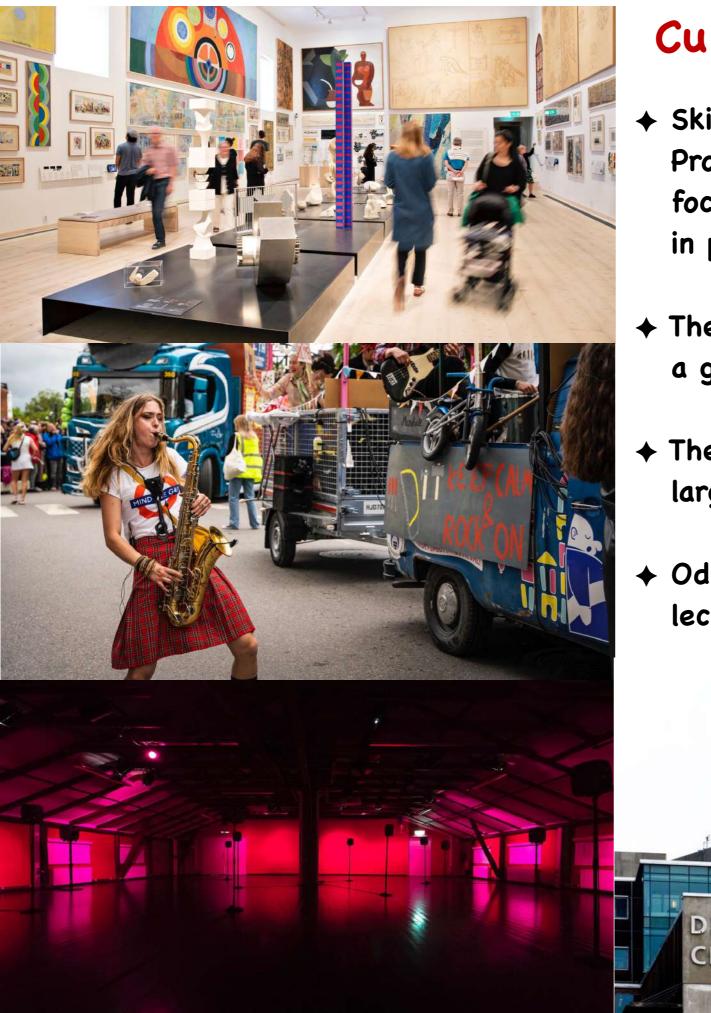


- ♦ World-leading facility for neutron science; in operation by 2027-28
- Atomic and molecular structure of materials such as plastics, proteins and medicines; important implications for particle physics
- ESS together with MAXIX and new LU campus in Science Village will constitute a highly visible, world-leading centre for research in fundamental, material and life sciences, an international hub for research, education and innovation in which LU plays a central role



### Some innovations from Lund

- +1946 The artificial kidney (Gambro)
- +1953 Diagnostic ultrasound
- +1967 Nicorette nicotine gum to quit smoking
- +1971 Modern ventilator (ServoVentilator)
- +1978 Lund Monte Carlo (Pythia)
- ♦1984 Axis printer and camera servers
- +1990 Oatly oat drink
- ♦1991 Proviva probiotic fruit drink
- ♦1993 Qlik software for data visualisation
- ♦1995 Bluetooth
- +1997 Precise Biometrics fingerprint reader
- 2010 SenzaGen allergy testing without experiments on animals
- ♦2012 Orbital Systems the world's most water-efficient shower
- +2012 Speximo skin care using quinoa
- +2013 Endodrill instrument for cancer diagnostics
- 2017 Elonroad charging infrastructure for all electric vehicles
- 2018 Asgard Therapeutics revolutionary gene therapy for cancer treatment
- +2019 AlignedBio new generation of nanowire-based biosensor platforms



# Cultural and public centres

- Skissernas Museum Museum of Artistic
   Process and Public Art: unique in the world, focused on the creative process and art in public spaces
- ★ The Botanical Garden: 7 000 plants and a green-house with nine climate zones
- The Historical Museum: Southern Sweden's largest archaeological museum
- Odeum: Centre for music practice, concerts, lectures and education



# Malmö – the gateway to Scandinavia

Sweden's third largest and fastest growing city, with 365,000 inhabitants, and is the regional capital in southern Sweden. Unique experiences in hosting major global events like the Eurovision Song Contest and accommodating global giants such as Microsoft, Dow Chemical, E.ON

A vibrant hub of culture,

restaurants per capita than

anywhere else in Sweden)

Malmö boasts more

Malmö aims to achieve

climate neutrality by 2030

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 food, and entertainment (e.g.

The city has state-of-the-art venues and conference centres, which offer extensive facilities and services to accommodate large-scale gatherings.

Robust public transport system, including efficient rail and bus networks, ensures seamless connectivity

The City of Malmö offers many great opportunities and experiences for conference delegates presenting itself as an ideal partner for hosting the ICHEP 2028

# Strategic location and accessibility



# Modern conference facilities: the ICHEP venue



Malmömässan is a modern meeting facility that is easily accessible and equipped to accommodate all types of events

Largest congress centre in Skåne and can seat up to 3000 delegates in (up to) a total of 17 meeting rooms

All rooms in the congress centre are equipped with the latest audiovisual and data technology, which is included in the rental

the space incredibly flexible, as it can be configured to meet the needs of each individual session

The largest "black box" auditorium in the trade show hall accommodates up to 3000 people in cinema seating while the next-to-largest congress auditorium hosts up to 1100 people.



Malmömässan Exhibition and Congress Centre

### ICHEP layout: plenary and parallel sessions

13 parallel session rooms

\*6 rooms for 100 pers
\*1 room for 450 pers
\*1 room for 500 pers
\*1 room for 320 pers
\*1 room for 200 pers
\*1 room for 150 pers
\*1 room for 550 pers

+1 room for 70 pers



Black Box auditorium



Additional 3 smaller meeting rooms can be used for satellite events, discussion sessions, meetings and as an extra working space.

Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
	Parallel	Parallel	Parallel	Satellite sessions	Plenary	Plenary	Plenary
	Lunch	Lunch	Lunch		Lunch	Lunch	Lunch
Reception	Parallel	Parallel	Parallel	Satellite sessions	Plenary	Plenary	Plenary
		Poster Session			Banquet	<i>Oureach Event</i>	

Traditional ICHEP layout

The large 10,000-square-metre exhibition space next to the congress centre is ideal for the conference registration, a welcome drink and mingling, meetings with exhibitors, sponsors offering a plenty of space for displaying posters and catering.

### Accommodation

The average hotel in Malmö has 150 rooms (median 116 rooms), with typical prices during the peak months for visitors (April, May, June, September, and October) ranging from approximately 125 to 150 EUR per night, including breakfast.

More than 90% of the hotels in the

area are eco-labelled or

environmentally certified



We collaborate with local hotels and accommodations to secure reduced rates for conference attendees Malmö currently has 44 hotels with a total of 5100 rooms, plus an additional 1750 rooms in nearby Lund.

Lund and Malmö area offers a wide

range of accommodation options to

suit any preference and budget

### Cultural and social programme

- ✦ Welcome Reception at Glasklart or Luftkastellet: An introduction to Malmö's culture with local music, food, and drinks.
- ✦ Gala Dinner at Slagthuset: A grand conference dinner with awards, entertainment, and celebrations at one of Malmö's largest remarkable venues.
- Cultural Tour: Guided tours of Malmö's landmarks, museums, and historical sites, highlighting the Skåne's rich heritage.
- ✦ Malmö Canal Cruise: Relax on a scenic canal cruise while enjoying insightful talks with your peers and admiring city landmarks.
- Concert in Lund: We consider organising a concert at the main cathedral in Lund city centre.
- ✦ Excursion to the ESS: guided tours to the ESS facility in Lund showcasing the newly launched laboratories performing cutting-edge research in applied and fundamental sciences.







# Some basic organisational aspects

 Professional Conference Organiser will oversee and organise all logistical and practical aspects of the event in close coordination with the Local Organizing Committee (LOC) from LU, such as

- Planning, coordination and technical support
- Financial management
- Marketing, promotion and outreach
- Delegate registration management
- Exhibition management
- Sustainability

✦ All aspects related to the scientific programme of the ICHEP 2028 and its successful execution will be managed by the LOC in coordination with the IAC and IUPAP.

## National and regional support for ICHEP 2028

The Lund University's bid for ICHEP 2028 is strongly supported by both the city of Malmö and Visit Skåne, the regional Destination Management Organization.

#### + Financial support:

The city of Malmö supports the conference with SEK 1,500,000 (approx. EUR 130 000) through the city's contract with the proposed venue to assist with the organization and logistics of the conference.

#### + Local transportation:

The regional authorities in Skåne will provide significantly discounted prices to all conference delegates to ensure sustainable, seamless and stress-free transportation within the city during conference days.

#### ✦ Collaborative partnerships:

LU, the central congress service at Lund University, the Lund Convention Bureau, the city of Malmö, Visit Skåne, Innovation Skåne, ESS and other relevant organisations will collaborate closely with the conference organisers to support the planning and execution of the event.

#### + Promotion and marketing:

Regional organizations such as Invest in Skåne and other national bodies, such as Business Sweden will support the promotion and marketing of the conference at both national and international levels.

#### ✦ Malmö and Lund Convention Bureaus:

Malmö and Lund Convention Bureaus have a significant longstanding experience with local organisation of a large number of academic and scientific events at our cities.

# Conference fee

The estimates are based upon 1200 registered participants assuming standard ICHEP layout of 6 full conference days (excluding the arrival/registration day on Wednesday and a free day on Sunday) consisting of 3 days of parallel sessions and 3 days of plenaries.

### Two possible configurations

€ 690 (early-bird € 610) excluding Gala Dinner ticket and lunches and accounting for:

- Access to the Scientific Programme
- Access to the Exhibition Area
- Access to the Poster Session
- Coffee Breaks
- Welcome Reception
- Public transport ticket for 6 days

€ 870 (early-bird € 790) includingGala Dinner ticket and lunchesi.e. accounting for:

- Access to the Scientific Programme
- Access to the Exhibition Area
- Access to the Poster Session
- Coffee Breaks
- Welcome Reception
- Public transport ticket for 6 days
- Gala dinner
- Lunch package for 6 days

With the additional possible sponsorship from exhibitors and from the Southern region of Sweden yet to be applied for, as well as from the IUPAP, local and national funding agencies, these preliminary figures are subject for a possible reduction

## Summary

- ★ We are excited about the possibility of welcoming the international high energy physics community to our vibrant region in 2028.
- ✦ We outlined numerous advantages, opportunities and arrangements that make Sweden, in particularly, the nearby cities of Malmö and Lund the perfect location for ICHEP in 2028.
- ★ We are confident that our organizational capabilities and fertile environment, combined with strong support of our academic community and local authorities, will ensure the successful hosting of ICHEP 2028.

# Thank you!